

Panel Session:

Financing CMM Projects: Managing Carbon Finance in a Time of Uncertainty

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Sindicatum Carbon Capital Americas

- US Greenhouse Gas (VER) and Renewable Energy (REC) project developer
- End-to-end turnkey solutions to achieve greenhouse gas emission reduction at the least cost
 - Project origination, planning, management and execution
 - Equity-based financing
 - Climate change expertise
 - Off-take agreements
- Project types
 - CMM
 - Landfill gas
 - Ag/biogas
- A wholly owned subsidiary of Sindicatum Carbon Capital, an international CDM project developer headquartered in London



Holistic Approach to CMM Projects

- Underground Mines "Near Zero Methane Emissions" strategy
 - Use of drained gas
 - Flaring of stranded or surplus methane
 - VAM
 - Improve subsurface systems to enhance quality/quantity of methane drainage
 - SCC has in-house CMM engineering team

Other sources

- Abandoned mine methane
- Surface mines



CMM Project - Duerping China

- Duerping mine near Tiyuan, Shanxi Province
- Upgrade of subsurface drainage system to bring gas quality to +30%
- Co-generation project using Deutz engines
- Flaring of surplus emissions
- Emission reductions = 150,000 tpy
- VAM destruction planned
- SCC investment to date +\$6 mil





CMM Projects as Investments

Pros

- Viewed as high-quality emission offsets
- Multiple benefits Safety, GHG, Energy
- Accepted by CCX, VCS, Climate Leaders
- Energy value of projects is hedge against climate policy uncertainty
- US coal industry has successful history of CMM use and VAM potential is very good
- Coal industry WILL continue to be a supplier of primary energy

Challenges

- Coordinating with mining operations
- Fluctuations in CH4 quality/quantity
- Ownership issues
- Regulatory approvals flaring and VAM
- Risk of mine shut-down, closure
- Readily available markets
- Poor subsurface environment major issue in emerging economies



Thank you

For more information please contact

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